

XLX Mark III series solar inverters **autarco**

The Autarco three-phase XLX-MIII series inverters offer safety and reliability for commercial projects. The XLX-MIII series delivers the utmost in security features including integrated ARC-fault detection and perfectly matched total solution. This series has better performance in low light, more flexibility and excellent handling of grid fluctuations.



Superior Safety with arc fault protection and reduced fire risk



Digital O&M including IV Curve analysis



Over 98.5% Max efficiency



Low start up voltage



Compact, lightweight and IP66



QUALITY CERTIFICATES

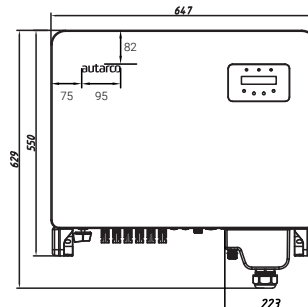
- ◆ EN 50549-1, EN 50549-2
- ◆ EN 61000-6-1/2/3/4 (CE), IEC 62109-1/2
- ◆ VDE 4105, VDE 0126, C10/11, NTS 631, RD 1699, RD 413



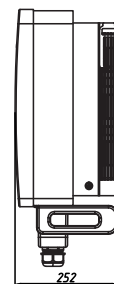
GENERAL CHARACTERISTICS

| | |
|---------------------------------|---|
| Warranty | Standard 5 years extendable to 15 years |
| Dimensions (W x H x D) | 647 x 629 x 252mm |
| Mounting | Wall bracket |
| Weight | 37 kg |
| Max. site altitude | 4000m |
| IP protection class | IP66 according IEC 60529 |
| Isolation type | Transformerless |
| Cooling principle | Intelligent fan cooling |
| Noise level, typical | < 60dBA |
| LED indicators | 3 |
| LCD display | 2 x 20 characters |
| Communication interfaces | 1x RS485 internal & 2x RS485 external |
| Optional interfaces | WiFi, GPRS, LAN |
| DC switch | Integrated (optionally excluded) |

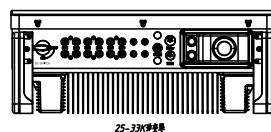
Front



Side



Bottom



Bracket



INPUT CHARACTERISTICS

| | S2.XLX25000-MIII | S2.XLX30000-MIII | S2.XLX33000-MIII | S2.XLX36000-MIII | S2.XLX40000-MIII |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|
| Max. PV input power (W) | 37500 | 45000 | 49500 | 54000 | 60000 |
| Max. DC voltage (V) | 1100 | 1100 | 1100 | 1100 | 1100 |
| MPP tracker voltage range (V) | 200-1000 | 200-1000 | 200-1000 | 200-1000 | 200-1000 |
| Start-up DC voltage (V) | 180 | 180 | 180 | 180 | 180 |
| Number of MPP trackers | 3 | 3 | 3 | 4 | 4 |
| Max. DC current per MPPT (A) | 32 | 32 | 32 | 32 | 32 |
| Max. short circuit current (A) | 50 | 50 | 50 | 50 | 50 |
| Number of DC connections per MPPT | 2 | 2 | 2 | 2 | 2 |
| DC connection type | MC4 | MC4 | MC4 | MC4 | MC4 |
| Turn on power (W) | 10 | 10 | 10 | 10 | 10 |

OUTPUT CHARACTERISTICS

| | | | | | |
|---|---|-------------------|-------------------|-------------------|-------------------|
| AC connection | 380 / 400 VAC | 380 / 400 VAC | 380 / 400 VAC | 380 / 400 VAC | 380 / 400 VAC |
| Power connection | 3-phase | 3-phase | 3-phase | 3-phase | 3-phase |
| Rated AC power (W) | 25000 | 30000 | 33000 | 36000 | 40000 |
| Rated AC current (A) at 380V/400V | 38.0 / 36.1 | 45.6 / 43.3 | 50.1 / 47.6 | 54.7 / 52.0 | 60.8 / 57.7 |
| Max. AC power (W) | 27500 | 33000 | 36300 | 39600 | 44000 |
| Max. AC current (A) at 380V | 41.8 | 50.2 | 55.1 | 60.2 | 66.9 |
| Rated Grid Voltage (V) & Rated Frequency (Hz) | According to EN50549-NL, VDE 0126-1-1, RD1699 | | | | |
| Max. AC current (A) at 400V | 39.7 | 47.6 | 52.4 | 57.2 | 63.5 |
| Power factor | 0.8 ... 1 ... 0.8 | 0.8 ... 1 ... 0.8 | 0.8 ... 1 ... 0.8 | 0.8 ... 1 ... 0.8 | 0.8 ... 1 ... 0.8 |
| Harmonic distortion (%) | < 3 | < 3 | < 3 | < 3 | < 3 |
| Cooling principle | Intelligent fan | Intelligent fan | Intelligent fan | Intelligent fan | Intelligent fan |
| DC injection current (mA) | < 50 | < 50 | < 50 | < 50 | < 50 |

EFFICIENCY

| | |
|-----------------|-------|
| Max. efficiency | 98.5% |
| Euro efficiency | 98.1% |
| MPPT efficiency | 99.9% |

OTHER CHARACTERISTICS

| | |
|-----------------------------|----------------|
| Operating temperature range | -25°C to +60°C |
| Relative humidity range | 0% to 100% |

PROTECTION

| | |
|----------------------------------|----------------------|
| DC overvoltage protection | Integrated |
| DC reverse polarity protection | Integrated |
| Short circuit protection | Integrated |
| Grid monitoring | Integrated |
| Insulation resistance monitoring | Integrated |
| Temperature protection | Integrated |
| Islanding protection | Integrated |
| Arc-fault circuit interrupter | Integrated |
| Output over current protection | Integrated |
| DC surge protection type | II |
| AC surge protection type | II (Type I Optional) |

The specifications contained in this datasheet may deviate slightly from our actual products due to on-going product improvement and are subject to change at any time without prior notice.

